

Attorney Docket No.: ISPH-0567  
Inventors: Bennett et al.  
Serial No.: 09/938,048  
Filing Date: August 23, 2001  
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The following listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

Claim 1 (currently amended): A method for identifying one or more genes involved in an inflammatory response by a cell, tissue or organism to an inflammatory stimulus comprising the steps of:

a) contacting cells, tissues or organisms which are capable of exhibiting inflammation in response to an inflammatory stimulus with a library of antisense oligonucleotides prior to treatment with said stimulus, wherein said antisense oligonucleotides are complementary to a gene encoding a cytokine or growth factor ; and

b) determining which antisense oligonucleotides within the library modulate said inflammatory response, ~~wherein antisense oligonucleotides which modulate said inflammatory response correspond to gene products involved in said inflammatory response;~~  
and

c) identifying one or more genes involved in an inflammatory response to an inflammatory stimulus, wherein said genes are identified through the determination of which antisense oligonucleotides modulate said inflammatory response.

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Claim 2 (original): The method of claim 1, wherein said cells are divided into one or more substantially identical subpopulations prior to contacting with said library of oligonucleotides, wherein each subpopulation is contacted with one member of said library of antisense oligonucleotides.

Claim 3 (canceled).

Claim 4 (previously presented): The method of claim 1, wherein said cytokine or growth factor is TNF- $\alpha$ , IL-1 or IFN- $\gamma$ .

Claim 5 (previously presented): The method of claim 1, wherein said inflammatory response is secretion of a compound.

Claim 6 (original): The method of claim 5, wherein said compound is a cytokine or growth factor.

Claim 7 (previously presented): The method of claim 1, wherein said inflammatory response is modulation of expression of a cell surface protein.

Claim 8 (original): The method of claim 7, wherein said cell surface protein is a cell adhesion protein.

Claim 9 (canceled).

Claim 10 (previously presented): The method of claim 1, wherein said inflammatory response is inhibited.

Claim 11 (previously presented): The method of claim 1, wherein said inflammatory response is stimulated.

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Claims 12 -29 (canceled).